

ATTACHMENT 2

Amendments to the Specification

Please replace the paragraph beginning at line 1, page 11 with the following:

A generalized flowchart of a document printing process that controls the printer in accordance with the present invention is shown in FIG. 4. Utilizing a computer system, a document author 401 creates a document using an authoring application 402 such as Microsoft Word or Quark Xpress. The author initiates a print of the document by invoking the application's print action 403. The application code converts the digital representation of the document into drawing application programming interface function calls 404, such as Microsoft Graphics Device Interface (GDI), as can be recognized by the computer operating system. The drawing application interface function calls are sent to the printing device driver 405. The printing device driver 405 converts the operating system drawing interface function calls into a page description language, e.g. Adobe PostScript or Hewlett-Packard Printer Control Language, 407, as can be understood by the printing device. Note that some application programs can generate page description language directly in which case alternate process path 406 would be used. A raster image processor 408, generally in the printing device, but which may also be implemented within the printer device driver software in low-cost systems, converts the digital document representation into a rasterized form whereby each page of the document is represented by a separate digital raster image data, 409. The rasterized page image data 409 is then processed by the printer device controller 410 ~~[[411]]~~ as may consist of printer memory 313, drop firing controller 315, and position controller 313 as illustrated in FIG. 3. The printing device controller instructs the printer marking engine 411 as may consist of ink cartridges 210, 211 previously described, to eject ink drops in accordance with the information input to the authoring application, to produce final printed document pages 412.